

## ABSTRACT OF THE DISCLOSURE

A vehicle transport system including a torque platform with counter-rotating flywheels, whose axes of rotation are parallel to one another, is featured. One or more torque platforms are joined together with a platform rotating mechanism to rotate the platforms relative to the vehicle in which they are mounted. The combined mechanism is used to rotate the entire vehicle. Resistance of the counter-rotating flywheels to change in their axes of rotation provides rotational torque and rotation of the entire vehicle around the vehicle's center of mass. Successive increments of rotation in alternate rotational directions are coordinated with a transfer of mass to change the center of mass of the vehicle and are used to transport the vehicle. The successive angular motions of the vehicle around its changing center of mass achieves a resultant linear motion of the vehicle in the desired direction of travel.